



ALHORREYA

KY SERIES

AIR/OXYGEN BLENDER

Function introduction

The Air/Oxygen Blender is a medical device used to mix Medical Air and Oxygen into a gas source ranging from 21% to 100% oxygen. The capacity is to provide and convey accurately controlled mixed air and oxygen gas to the patient in clinical use. The device is not only used as open-ended oxygen deliverer, but also important to offer flexibility to adapt to many medical devices, such as Infant Incubator, Infant Radiant Warmer, Infant Oxygen Hood, Oxygen Therapy Instrument, Ventilator, CPAP, Resuscitator and Epidural Instrument, etc, especially suitable for neonatal intensive care units and ward oxygen delivery. (Ban for high blood oxygen patients)

Specification

Oxygen concentration adjustable range and accuracy :

KY-10A and KY-10B: Oxygen concentration adjustable range: 21%–100%; Accuracy: $\pm 3\%$ O₂ (V/V).

KY-20A and KY-20B: Oxygen concentration adjustable range: 21%–100%; Accuracy: $\pm 3\%$ O₂ (V/V).

KY-30A and KY-30B: Oxygen concentration adjustable range: 21%–100%;

Accuracy: The accuracy of KY-30A and KY-30B blender is $\pm 3\%$ O₂ (V/V) when use the single flow and the flow rate is more than 4L/min;

The accuracy of KY-30A and KY-30B blender is $\pm 6\%$ O₂ (V/V) when use the double flow and both sides flow rate are more than 4L/min.

Flow rate adjustable range:

KY-10A, KY-10B, KY-30A and KY-30B: 0L/min –15L/min

KY-20A and KY-20B: 0L/min –15L/min and 0L/min–3.5L/min

Input gas source pressure: 207kPa–517kPa

Alarm of gas source failure:

Gas supply pressure difference >138kPa;

Interruption of gas supply;

Gas supply pressure >560kPa;

The Air/Oxygen Blender is built-in pneumatic sound alarm device with the whistle sound;

The alarm sound pressure level is >57dB(A);

The Reverse Gas Flow of zero (The reverse gas flow caused by the gas flow from one gas source inlet to the other inlet port).

Performance Characteristics

Oxygen concentration level is 21%–100% continuously adjustable;

Oxygen concentration and flow rate is adjusted separately;

High precision regulating and continuous steady gas output;

Pneumatic control without power supply;

KY-30A and KY-30B can be used for two patients simultaneously.

Model & Specification

Model & Specification	KY-10A	KY-10B	KY-20A	KY-20B	KY-30A	KY-30B
Concentration valve	Single		Single		Double	
Flowmeter	Single		Double		Double	
Humidification bottle	No	Yes	No	Yes	No	Yes
Gas bleed valve	Yes		Yes		No	
Main part dimension	123mm × 63mm × 71mm		123mm × 68mm × 71mm		123mm × 68mm × 71mm	
Weight	0.84kg		0.84kg		0.87kg	
Single/double patient use	Single patient use		Single patient use		Single/double patient use (adult)	
Packing dimension	315mm × 300mm × 265mm					
Gross weight	3.0kg		3.2kg		3.6kg	

